

**TOP SECRET**

24 APR 1963

OUT51029

 HFS *[initials]*  
 CS *[initials]*  
 ACL *[initials]*  
 CFC *[initials]*  
 FILE *[initials]*
**TOP SECRET 232104Z 1963 APR 23 21 227**

25X1

CORONA LANYARD

25X1

1. IN REGARD PARA 1 REF B STAR IMAGES HAVE BEEN IDENTIFIED ON VARIOUS MISSIONS HOWEVER THE NUMBER OF IMAGES PER FRAME AND DISTRIBUTION OF THESE IMAGES WITHIN THE FRAME HAVE RENDERED STELLAR PHOTOGRAPHY UNSATISFACTORY FOR ATTITUDE ANALYSIS PRIOR TO MISSION 9053.

2. RESTUDY OF STELLAR PHOTOGRAPHY ON MISSION 9053 BY [ ] REVEALED A THIRD STAR THROUGHOUT ENTIRE MISSION, I.E. THERE ARE THREE STARS ON EACH EXPOSURE. AN OCCASIONAL FOURTH STAR WAS ALSO FOUND. [ ] WILL NOW ATTEMPT TO COMPUTE PITCH, ROLL, AND YAW EVEN THOUGH THE GEOMETRIC DISTRIBUTION OF THE STARS IS FAR FROM THAT DESIRED FOR AN IDEAL SOLUTION.

25X1

**1**

25X1

3. CONDITIONS AT TIME THE [ ] IS PREPARED (URGENCY OF REPRODUCTION REQTS., LACK OF PROPER EQUIPMENT AND LIMITED ANALYSIS TIME) ARE NOT CONDUCIVE TO A DETAILED STUDY OF STELLAR IMAGERY OTHER THAN REPORT THE PRESENCE OF IMAGES.

25X1

**TOP SECRET**

CFN 0686 0672 6914 1 B 9053 9053 I.E. YAW 42 NOT CONDUCIVE

BT

200

Declassification Review by NGA/DoD

**TOP SECRET**
 GROUP 1  
 Excluded from automatic  
 downgrading  
 declassification

25X1